

ROFFER'S OCEAN FISHING FORECASTING SERVICE, INC.

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ROFFS™ FISHERIES OCEANOGRAPHIC ANALYSIS

FOR THE PALM BEACH TO MIAMI AREA (LAT./LONG.)

UPDATED ON FRI. 19 FEBRUARY 2016 FOR FRI. P.M. & SAT. FISHING ONLY

Based on a multiple factor analysis, the symbols (hot spot dots) mark the areas where the symbols (hot spot dots) mark the areas where bait concentrations are expected and where fishing action is expected to be better compared with other (non-marked) areas. These are not based on dock rumors or hearsay fishing reports. Fishing reports are stated as such. You should start fishing where you recognize other signs of good fishing conditions near these marked areas. It is very important to use your sea surface temperature (sst°) gauge to locate the boundaries of the water masses, which are outlined. Rather than trying to find water based on the absolute temperature values shown on the map, search for the relative change in sst° where the water mass boundaries occur. Arrows indicate the main current direction. Numbers inside of the dots indicate the number of consecutive days that we have seen favorable conditions in that location. Broken lines (small dotted lines) are water mass boundaries detected from the ocean color (chlorophyll + colored dissolved organic material or "CDOM") satellite data. Daytime sst° are likely to warm 1°F-2°F.

Due to the clouds, we had to use late last night and all of today's infrared SST imagery and MODIS ocean color/chlorophyll imagery for this analysis area to track the eddy feature boundaries within this area. The sst of the main body of the Gulf Stream continues to be 78.5°F-79.5°F. Overall, two Gulf Stream eddy features (one currently located offshore of Lake Worth Inlet near 79°50'W & 26°50'N, and a second eddy feature currently located offshore of Hollywood near 79°55'W & 26°05'N) are pushing and trailing multiple filaments of blended blue to blue 75.5°F-77.5°F water inshore over 20-140 fathom depths throughout the area. Tomorrow, the ocean conditions suggest that the most favorable sailfish fishing action within this analysis area is likely to occur over the coastal good bottom structures between Lake Worth and Delray Beach. Conditions to the north of the Fowey Rocks Lighthouse area are likely to diminish slightly overnight as the southern eddy feature moves further northwards. These conditions will improve again once an eddy feature (currently offshore of Barnes Sound) reaches the area to the north of the Fowey Rocks Lighthouse area later tomorrow. We have been able to track the water masses for the past three days. Hence, the hot spot dots with the numbers three inside show areas that are likely to provide good chances for a fishing action. On your way offshore, be sure to keep an eye out for weedlines, as they are strong indicators of water mass boundary convergence zones, which are known to concentrate baitfish and target fish.

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With this in mind, your better chances for tuna, sailfish, dolphinfish, kingfish and wahoo action tomorrow morning are likely to occur from over 10-50 fathom depths to the south of West Palm Beach near 80°01'W & 26°42'N, to south over the 24-75 fathom wreck to the south of Lake Worth near 80°01'W & 26°36'N, to over 10-100 fathom depths offshore of Delray Beach near 80°02'W & 26°23'N (all favorable, yet different, for three days), where a series of green to blended blue to blue 3°F coastal and eddy filament boundaries (73.5°F-76.5°F) are likely to be pushed inshore by an approaching eddy feature that is currently offshore of Hollywood. These green to blended blue to blue 3°F coastal and eddy filament boundaries (73.5°F-76.5°F) extend southwards, suggesting relatively good chances for fishing action over the 10-50 fathom good bottom structures offshore of Boca Raton near 80°03'W & 26°21'N, as well as over the 10-50 fathom good bottom structures offshore of Hillsboro Inlet near 80°03'W & 26°15'N (also both favorable, yet different, for three days), where they flow parallel to the coastline.

Further offshore, good chances for offshore tuna, billfish, dolphinfish and wahoo action are likely to occur over 100-120 fathom wreck offshore of Lantana near 79°57'W & 26°35'N, to over 100 fathom depths offshore of Boynton Beach near 79°58'W & 26°32'N (both favorable, yet different, for three days), where a series of blue green to blue 3°F eddy feature inner boundaries (74.5°F-77.5°F) are likely to be tomorrow morning.

North of West Palm Beach, the waters are likely to be pulling offshore slightly as the eddy feature currently to the east of Lake Worth Inlet moves past the area. However, after three days of favorable water mass boundary conditions, experience suggests that the fish are likely to be associated with the good bottom structures. This suggests good chances for tuna, dolphinfish, kingfish and wahoo action from near the 10-20 fathom buoy to the south of Lake Worth Inlet near 80°01'W & 26°47'N (favorable, yet different, for three days), where a series of green to blended blue 2°F coastal and eddy filament boundaries (73.5°F-75.5°F) are likely to remain tomorrow.

South of Hollywood, the waters are also likely to be pulling offshore slightly as the eddy feature currently to the east of Hollywood moves past the area. However, relatively good chances for tuna, dolphinfish, kingfish and wahoo action from near the 54-100 fathom Sailfish Bends offshore of Hallandale near 80°04'W & 25°58'N (favorable, yet different, for three days), where a series of green to blended blue 2°F coastal and eddy filament boundaries (73.5°F-75.5°F) are likely to remain tomorrow. From here, head southwards to over the 100-138 fathom wrecks offshore of Miami near 80°04'W & 25°50'N, to over the 100 fathom good bottom structures offshore of the M Buoy area near 80°03'W & 25°46'N, to over the 66 fathom wrecks and good bottom structures near 80°04'W & 25°42'N, as well as over the 20-50 fathom Fowey Rocks Lighthouse wrecks and good bottom structures near 80°05'W & 25°36'N (favorable, yet different, for three days), where a series of green to blended blue 6°F coastal and eddy boundaries (70.5°F-76.5°F) are likely to push inshore later tomorrow.

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The ROFFS™ Graphic analysis is on the next page.

